

Division of Water
Human Health Criteria (HHC) Technical Workgroup General Agenda
12-10-2015

Purpose of Technical Workgroup: DEC is convening a technical workgroup to provide technical feedback on issues associated with the development of human health criteria (HHC) in state water quality standards.

Outcomes:

1. A *draft* Technical Workgroup report identifying key issues, sources of information, and potential options for DEC to consider; and
2. Additional understanding of the complexity of the issue and potential effects on the regulatory process.

Date	Meeting or Teleconference	Agenda
August 20	Meeting/Teleconference	HHC 101: Role and Formula (DEC Staff) <ul style="list-style-type: none"> ○ EPA 2015 Recommended National Criteria ○ What is going on in other states interested in this issue? Issue 1: What information about fish consumption and fish consumption rate is available to inform HHC process? (DEC Staff) <ul style="list-style-type: none"> ○ What do we know from the Literature Review? ○ What did the reviewers tell us? ○ What role should the state play in helping to develop Alaska specific data? <ul style="list-style-type: none"> ▪ Should the state take a prescriptive approach and establish accepted dietary survey protocols for tribes and parties seeking site-specific criteria? ▪ Food Frequency Questionnaires v. Recall Method ○ Can we extrapolate FCR data from ADF&G harvest data? <ul style="list-style-type: none"> ▪ Review <i>Wolfe and Utermohle</i> (2000)
Sept 30	Teleconference/Webinar	Issue 3: What is the appropriate Level of Protection for Alaska to consider? <ul style="list-style-type: none"> ○ FCR: Consumers v. consumers and non-consumers ○ FCR: General v. high exposed population ○ Other Exposure Factors (DWI, BW, Relative Source Contribution) ○ Approaches used by other states
Oct 30	Meeting Note that this meeting will take place immediately following the Public Workshop in Anchorage	Issue 4a: What should Alaska include when deriving a Fish Consumption Rate? <ul style="list-style-type: none"> ○ Sources of fish and shellfish ○ Local v. commercial ○ Role of salmon- what OR/WA/ID did and didn't do ○ Role of marine mammals- <i>May be tabled for a later discussion</i> ○ Approach(es) used by other states

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Dec 15	Teleconference/Webinar	Review of General Agenda for workgroup process Review of Draft Workgroup Report outline <ul style="list-style-type: none"> ○ Discuss draft recommendations for Issues 1 and 3 HHC Calculator Tool Recap Issue 4a (part one) –What should Alaska include when deriving a Fish Consumption Rate? <ul style="list-style-type: none"> ○ Discuss draft recommendations for Issue 4a ○ Local v. commercial ○ Salmon ○ Other marine fish and mammals
January	Teleconference/Webinar	Issue 4b: What is the role of Relative Source Contribution (RSC) and what are Alaska's options? <ul style="list-style-type: none"> ○ Description of RSC ○ Approaches used by other states ○ Opportunities for DEC to consider
February	Teleconference/Webinar	Issue 2: What options does Alaska have for developing criteria on a statewide/regional/site-specific basis <ul style="list-style-type: none"> ○ pros/cons ○ Sources of information ○ Potential issues for DEC to explore further ○ Does ADF&G harvest data demonstrate regional trends in FCRs?
March	Teleconference/Webinar	Issue 2a: Modeling of the Criteria <ul style="list-style-type: none"> ○ Deterministic v. Probabilistic (Arcadis Presentation?) ○ The Florida/Idaho example (FL DEQ)
April	Teleconference/Webinar	Issue 3 (revisit): What is the appropriate Level of Protection for Alaska to consider? <ul style="list-style-type: none"> ○ Bioconcentration v. Bioaccumulation- how does it factor into the HHC process and what flexibility does that process have? <ul style="list-style-type: none"> ▪ Idaho approach (maybe Washington if they have something) ○ Carcinogenic Risk Factor <ul style="list-style-type: none"> ▪ Controversy in Washington ▪ DEC regulations – 18 AAC 70, 18 AAC 75
May	Meeting or Teleconference/Webinar?	Issue 5: What are Alaska's options for implementing the proposed criteria?

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		<ul style="list-style-type: none"> ○ General Implementation <ul style="list-style-type: none"> ▪ Compliance Schedules ▪ Intake Credits ▪ Variances ▪ Other: SSC/Designated Use revision (Subsistence fishing) ○ Problematic Discharges* <ul style="list-style-type: none"> ▪ Arsenic ▪ PCBs ▪ Mercury ▪ Other.... ○ Detection Limit issues- set criterion at MDL or... ○ Toxics in the larger context ○ Washington example
June	Teleconference/Webinar	First Draft Workgroup Report
July	Teleconference/Webinar	Draft Final Workgroup Report

*May require additional discussion and representation from other programs